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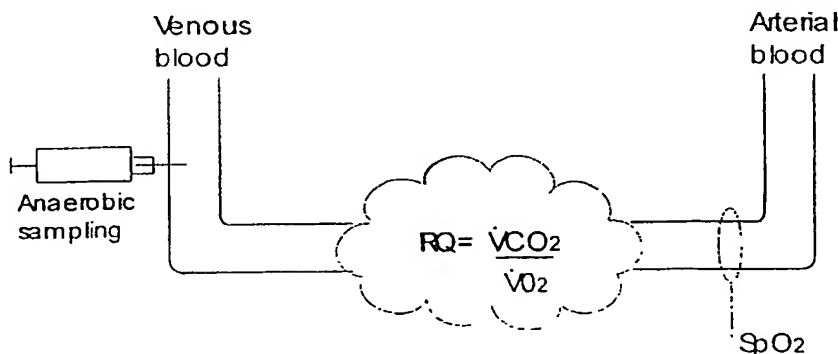
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(54) Title: METHOD FOR CONVERTING VENOUS BLOOD VALUES TO ARTERIAL BLOOD VALUES, SYSTEM FOR UTILISING SAID METHOD AND DEVICES FOR SUCH SYSTEM



(57) Abstract: The invention relates to methods of converting venous blood values to arterial blood values. This has the advantage that arterial blood samples need not be taken, and the disadvantages compared to venous blood samples when taking arterial blood samples are eliminated. The method is basically based on three steps, namely the step of measuring arterial oxygenation, the step of measuring and estimating values of venous blood acid/base status and oxygenation status of a venous

blood sample, and the step of converting the venous blood values by applying a mathematical model for deriving blood acid/base status and oxygenation status into estimated arterial blood values.

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